

Why Nocturnal Animals Have large Eyes?

Nocturnal animals have large eyes, wider pupil, large lens and increased retinal surface to collect more light. Some animal species have evolved **tubular eyes** as part of their evolution to collect more light. Many nocturnal animals cannot move their eyes but they have extraordinary **rotational ability** of the neck. For example, **Owls** can rotate their neck through 270° . This helps to increase the night vision.

Some animals have a spherical lens and widened cornea to compensate for reduced eye movement. This along with a large cornea increases the animal's field of vision. So they can see better in night even without moving the head.

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